

Figure 1: Torque vs. Time Chart for Reactive Extrusion of PHBV with HEMA

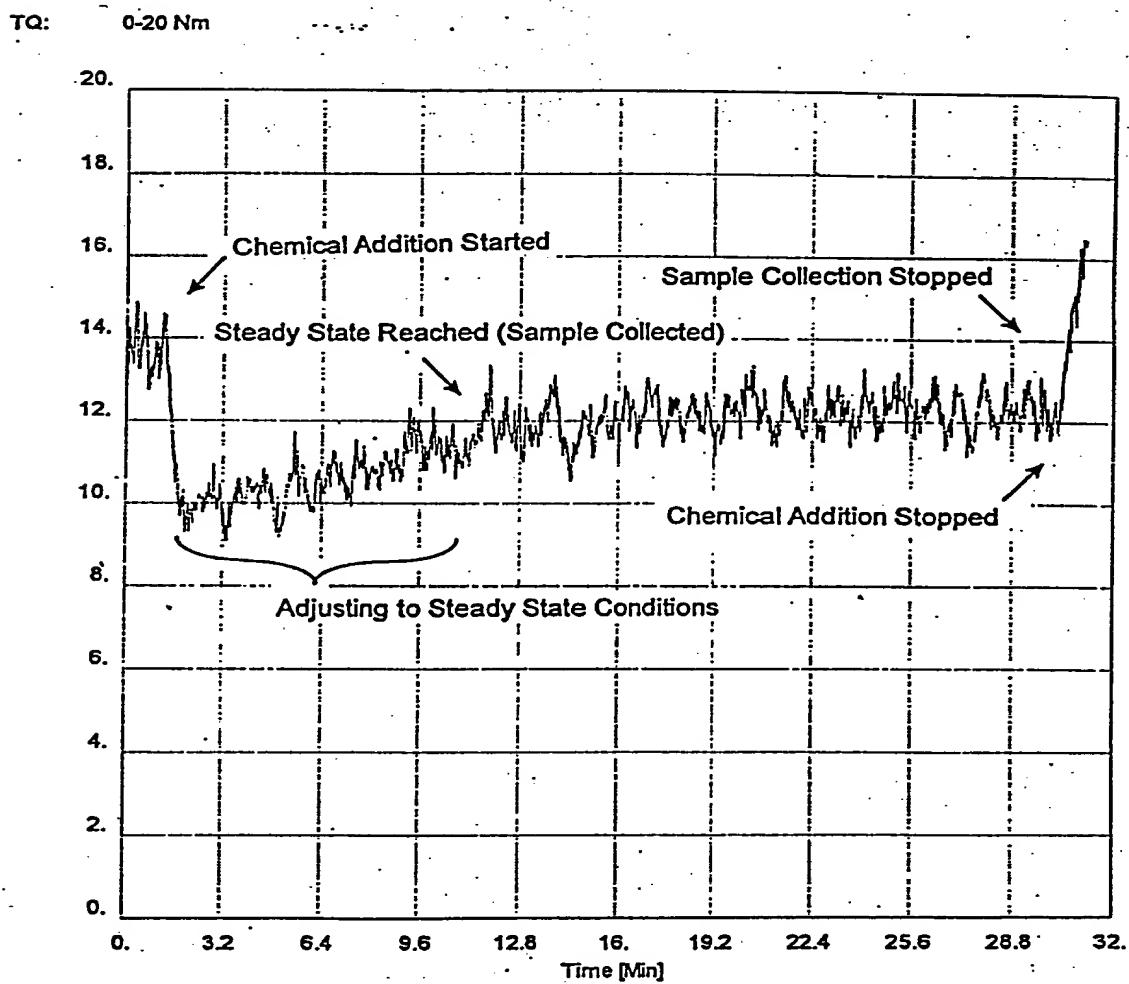


Figure 2 Proton NMR Spectra for PHBV and HEMA Grafted PHBV

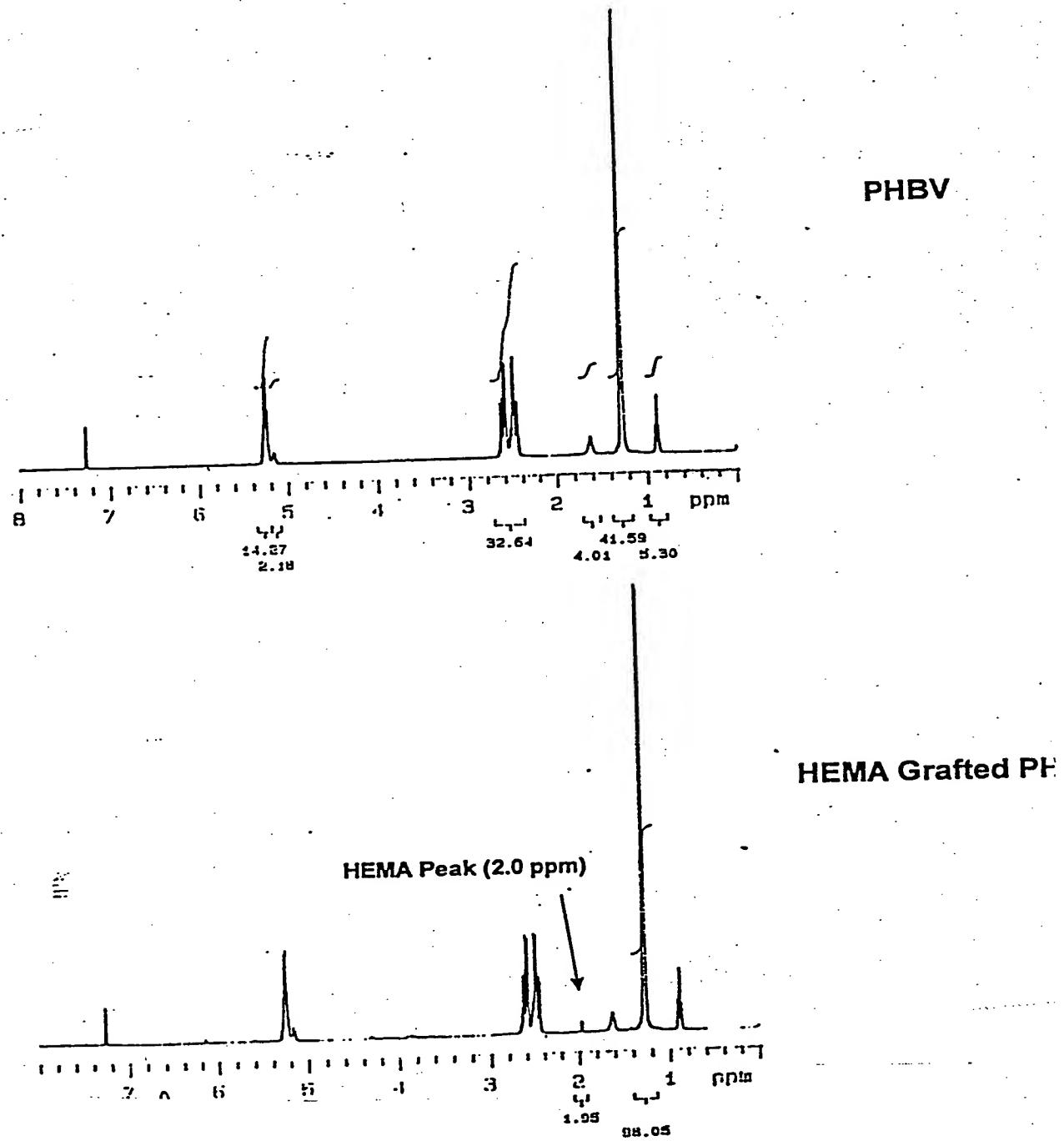


Figure 3 Melt Rheology at 180°C for PHBV and HEMA Grafted PHBV

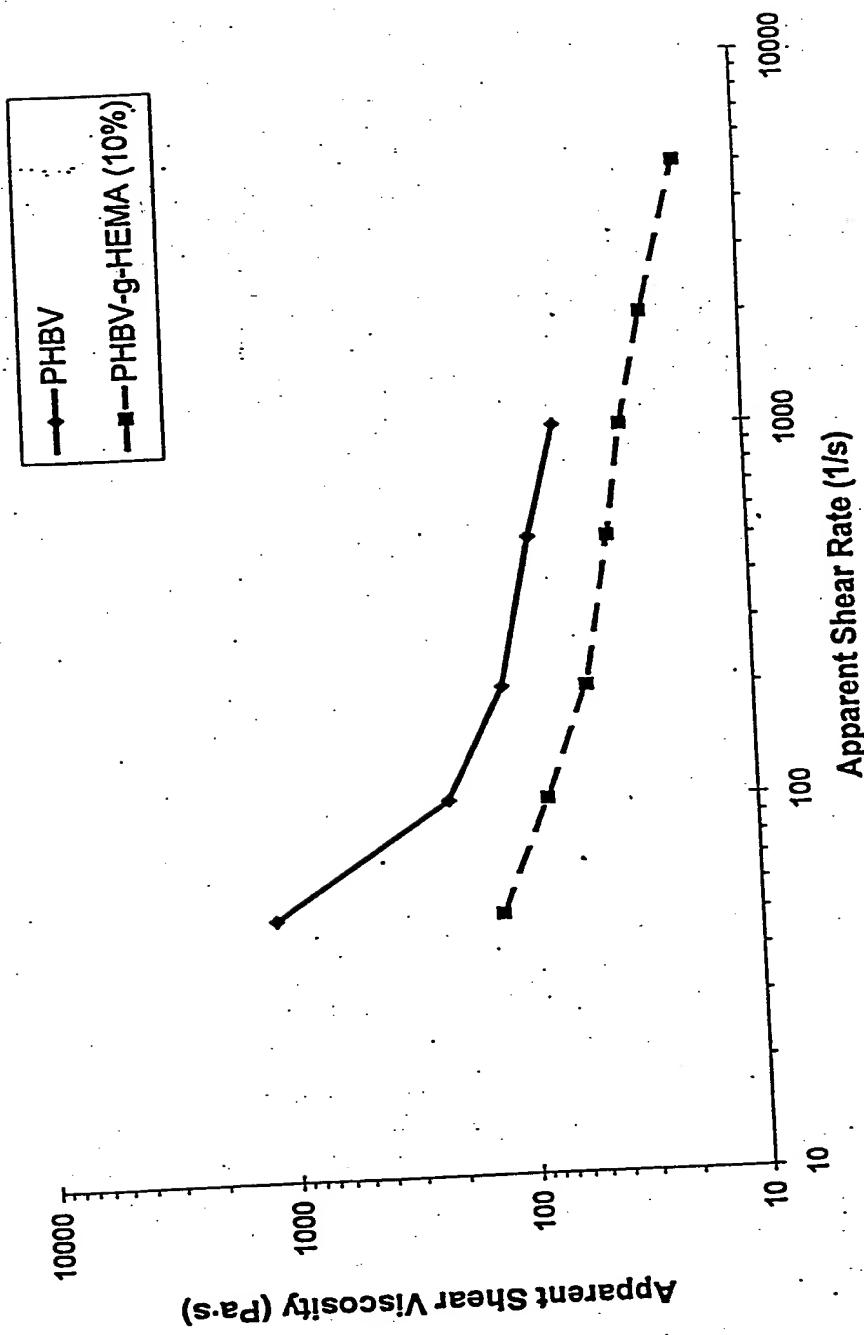
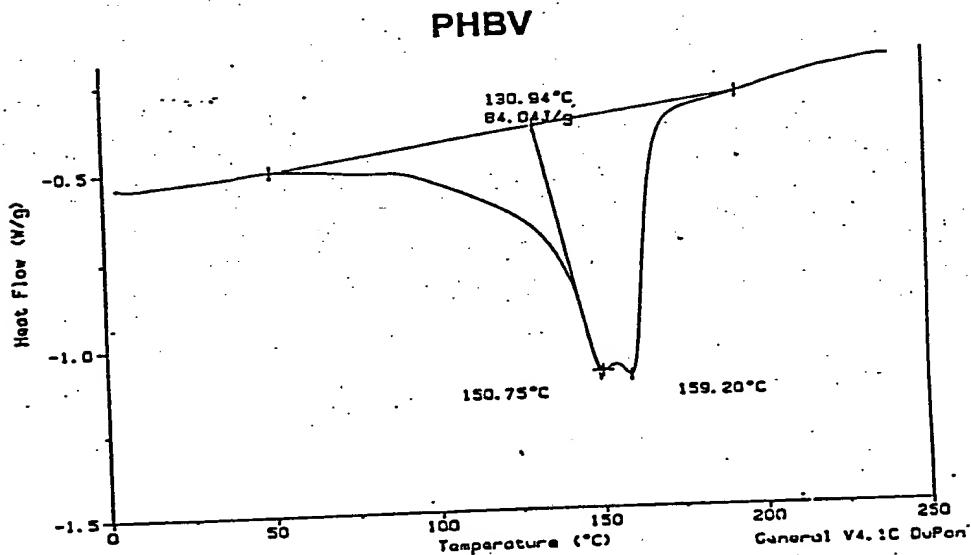


Figure 4 DSC Thermogram for PHBV and HEMA Grafted PHBV



HEMA Grafted PHBV

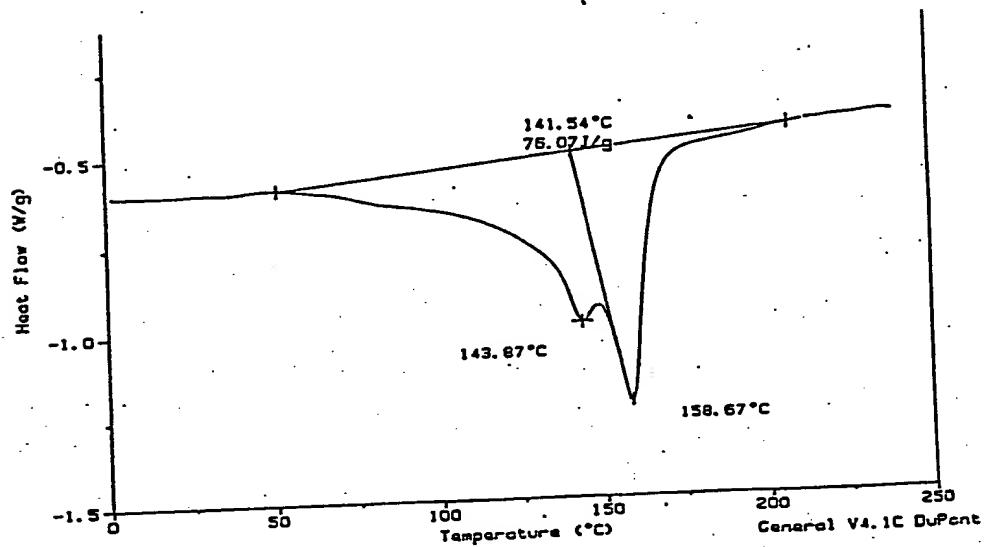


Figure 5 Torque vs. Time Chart for Reactive Extrusion of PBS 1040 with PEGMA on the Haake Extruder

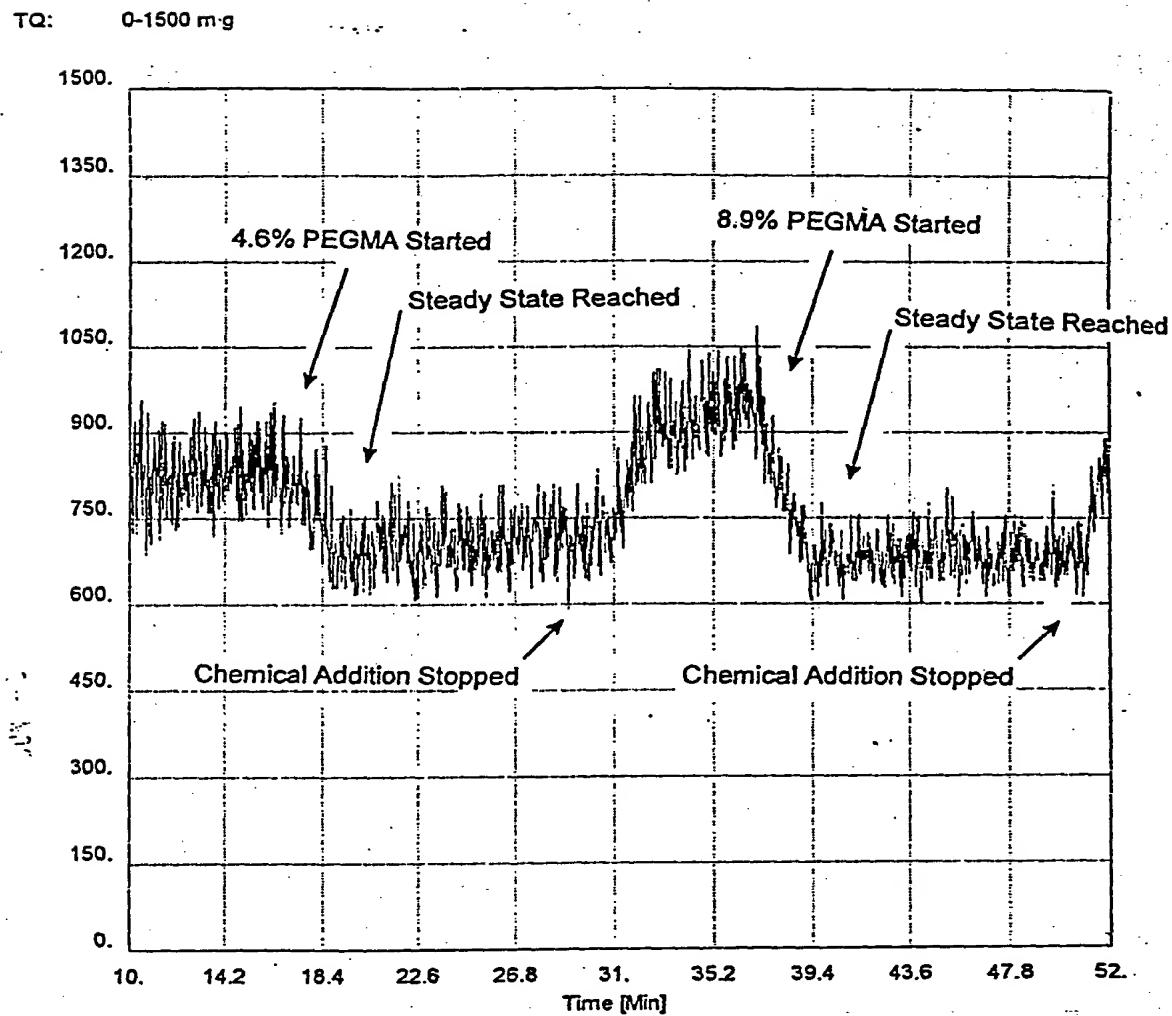


Figure 10 Proton NMR Spectra for PBS and PEGMA Grafted PBS 1040

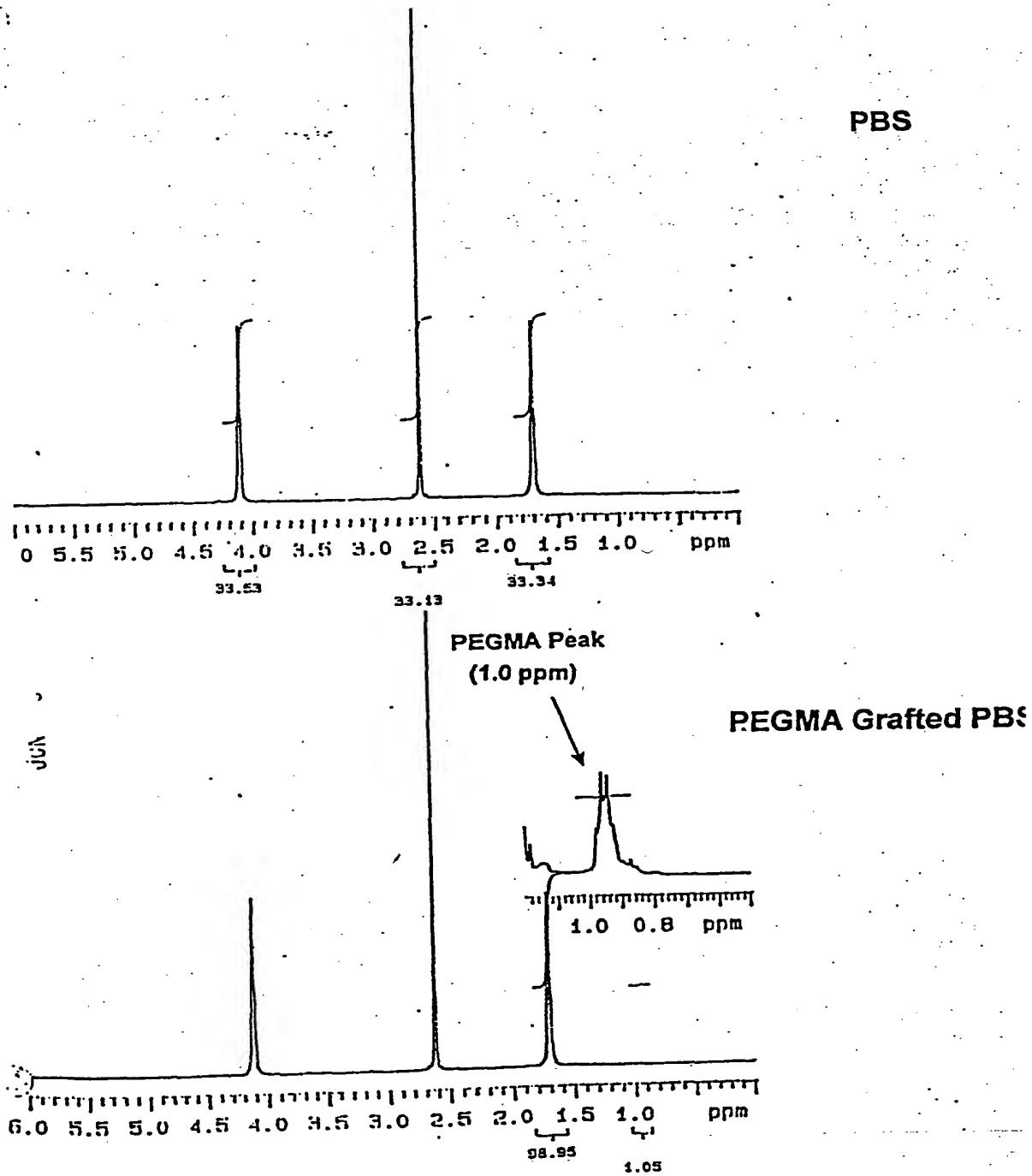


Figure 7 Melt Rheology at 180°C for PBS and PEGMA Grafted PBS (Bionolle® 1040)

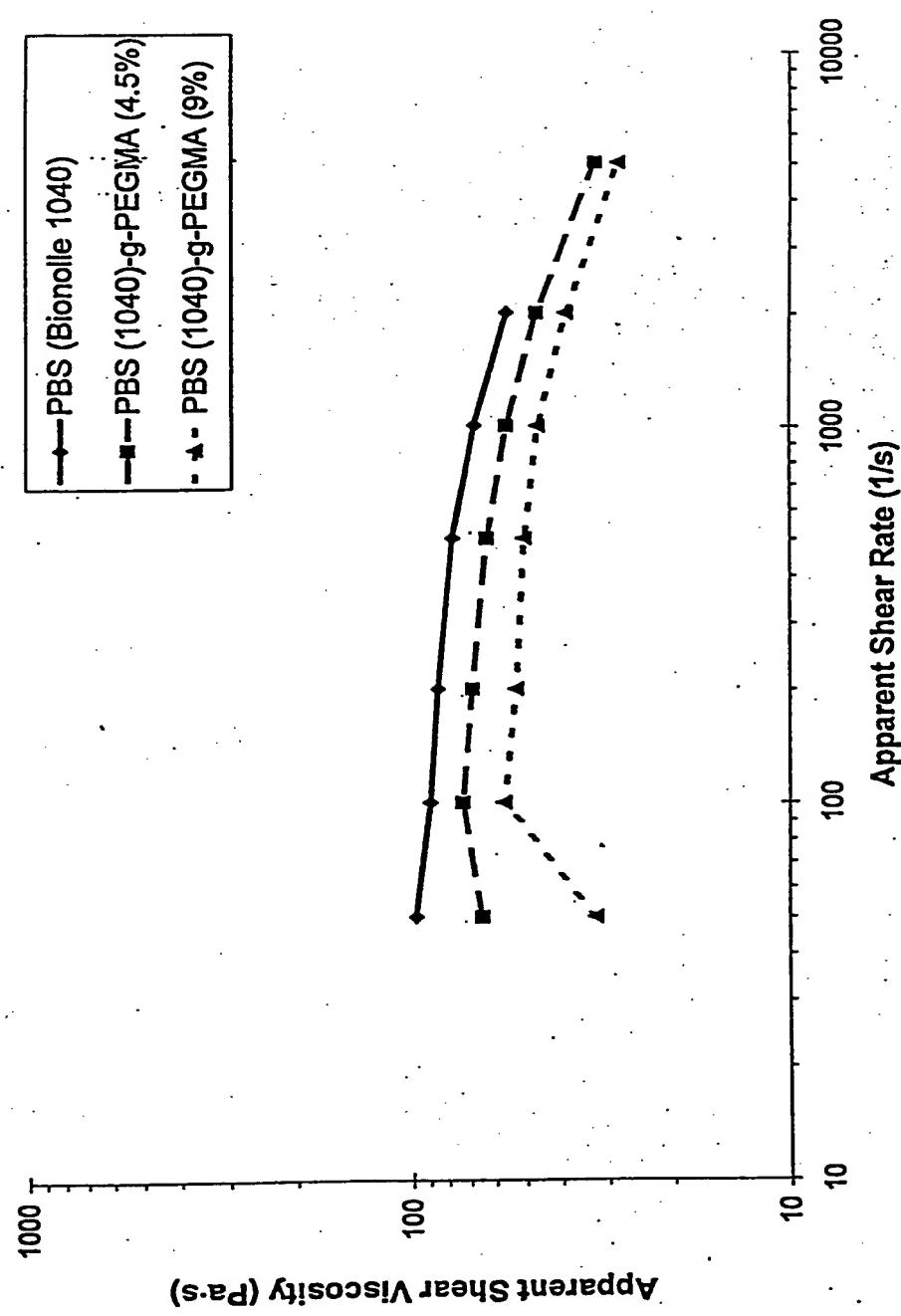


Figure 8 Melt Rheology at 180°C for PBS and HEMA Grafted PBS (Bionolle® 1020)

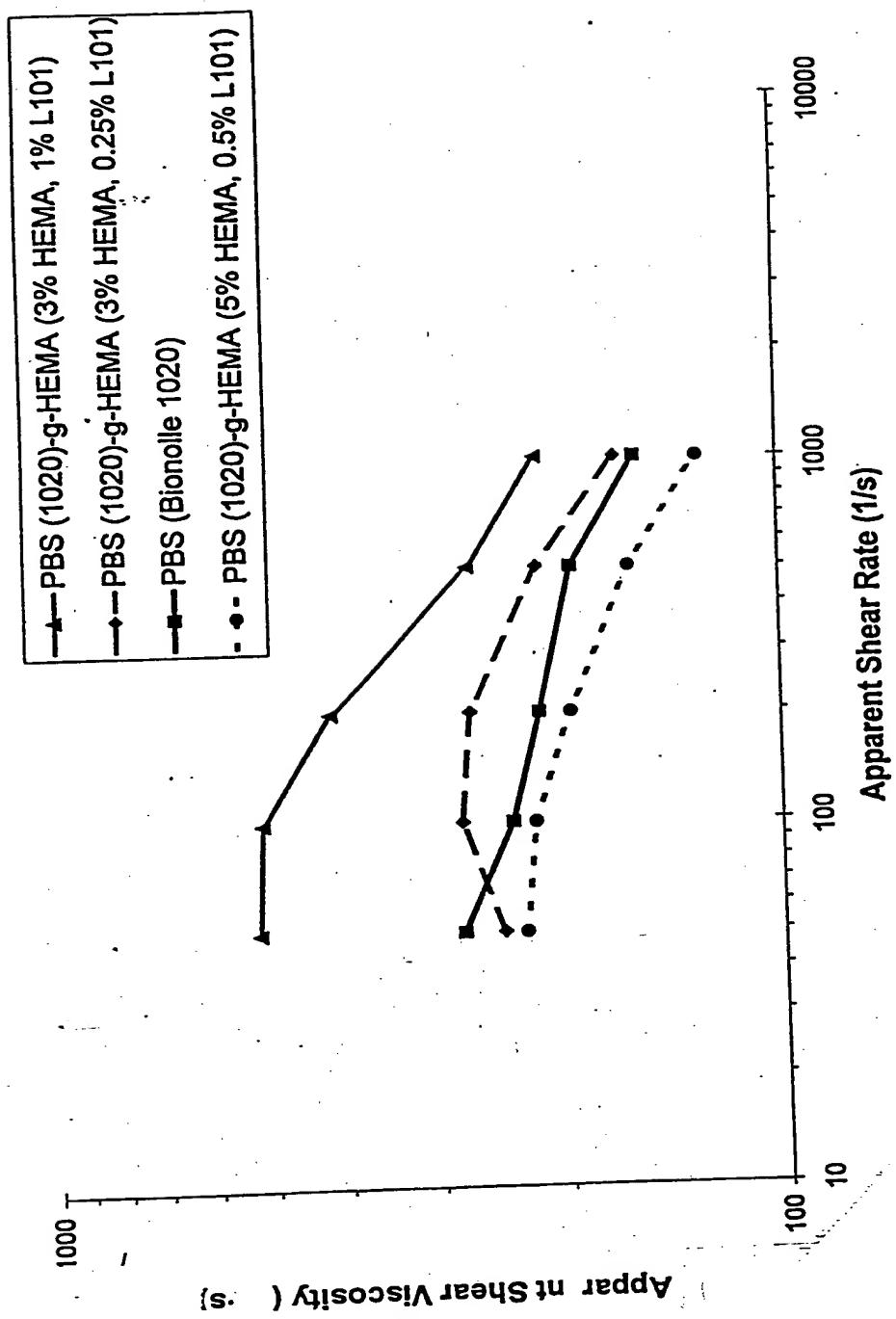


Figure 9 DSC Thermogram for PBS and PEGMA Grafted PBS 1040

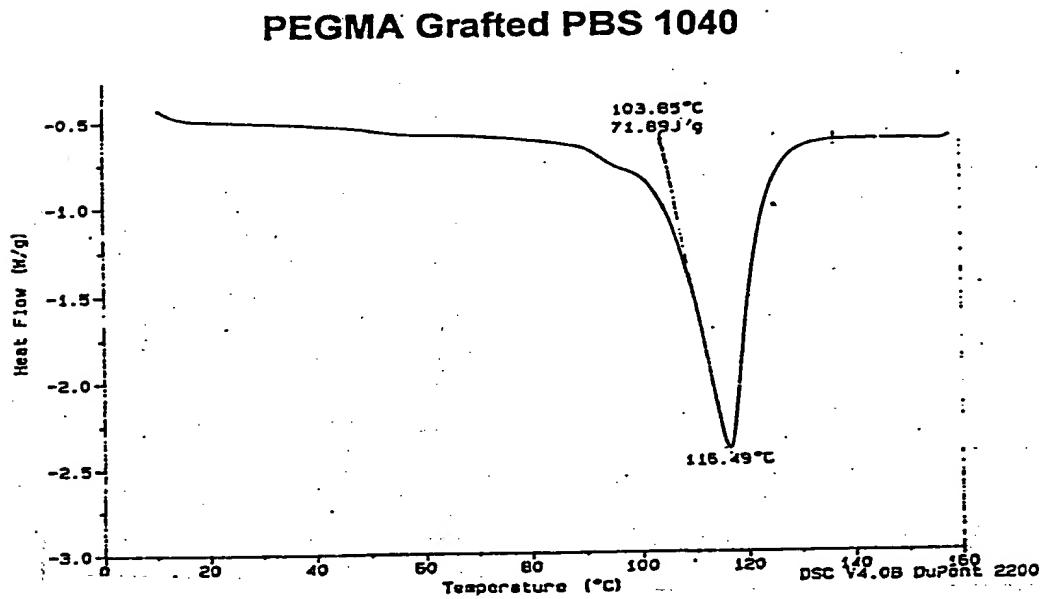
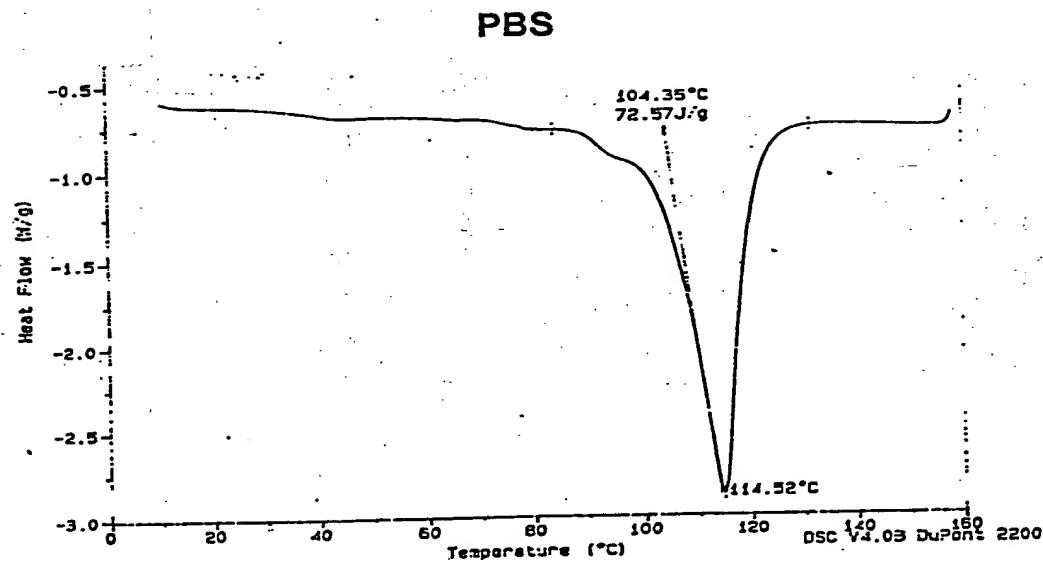
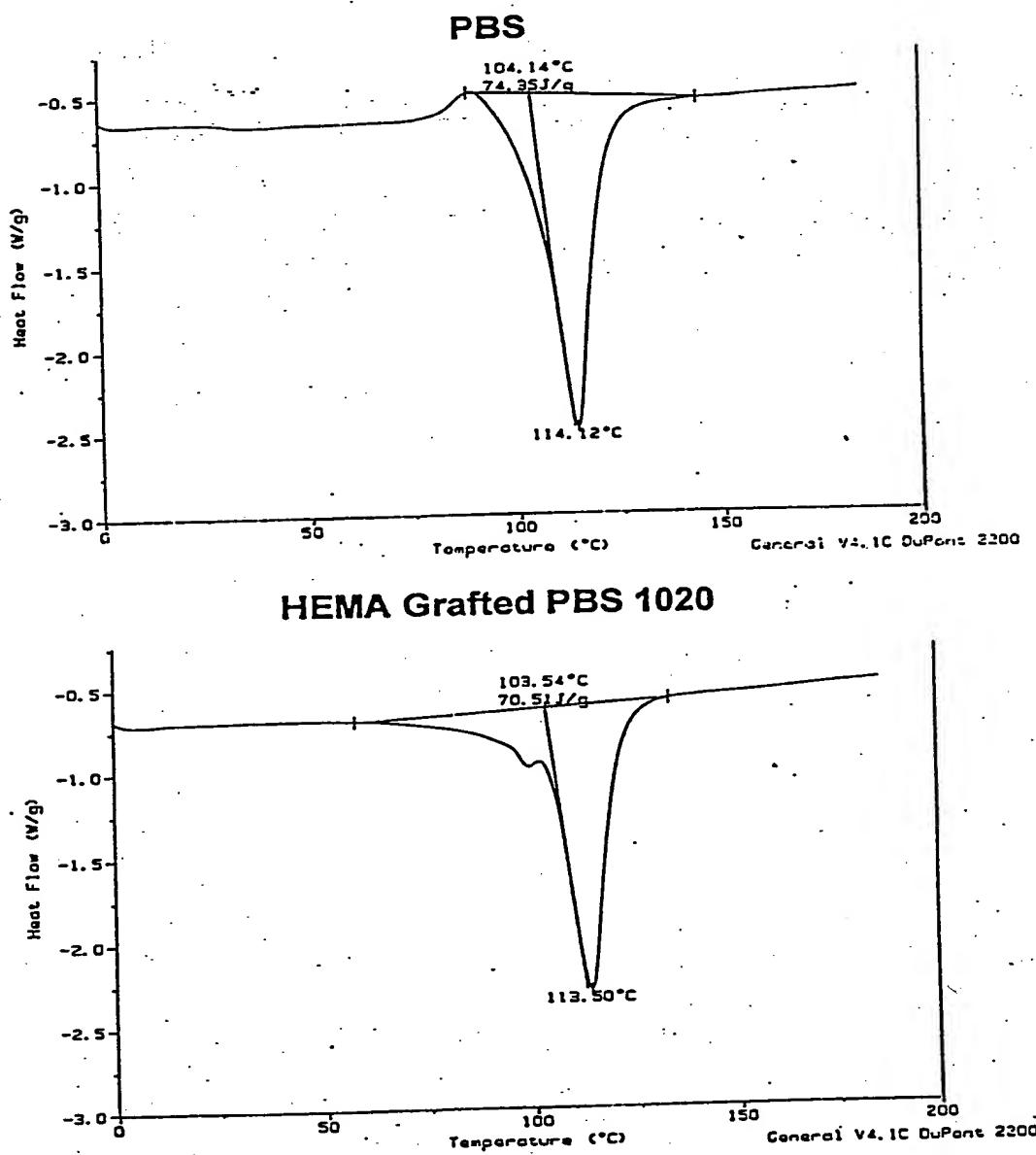
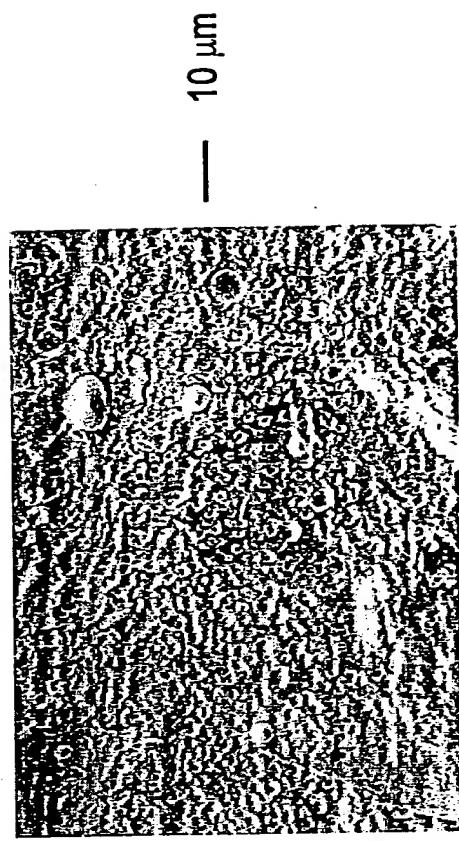


Figure 10 DSC Thermogram for PBS and HEMA Grafted PBS 1020



100 240 250 260

Figure 11



TOE2400 "Z20ESZ60

Figure 12

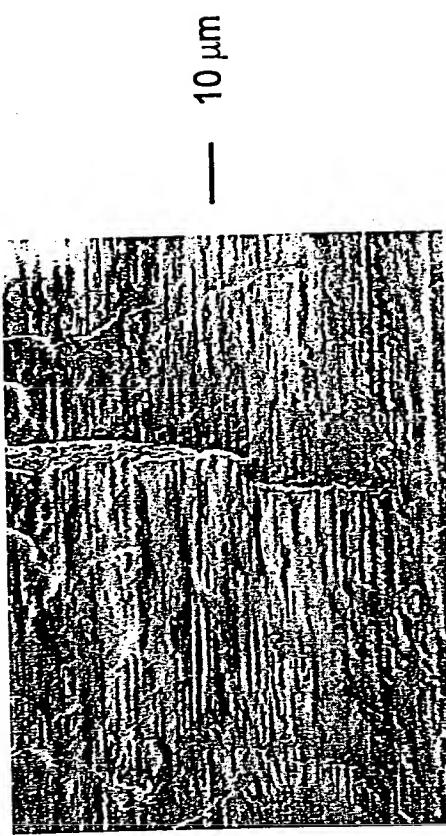
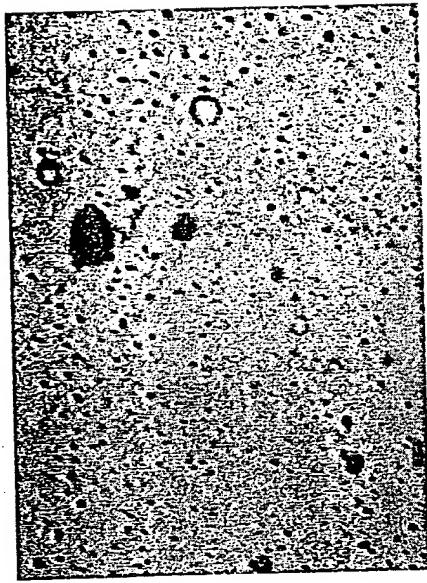


Figure 13



TOEATHO "ZEGEGEG

Figure 14

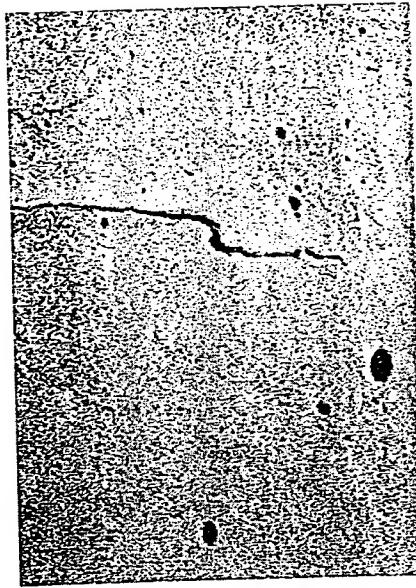


Figure 15

T_m of PEO Phase of Reactive Blends

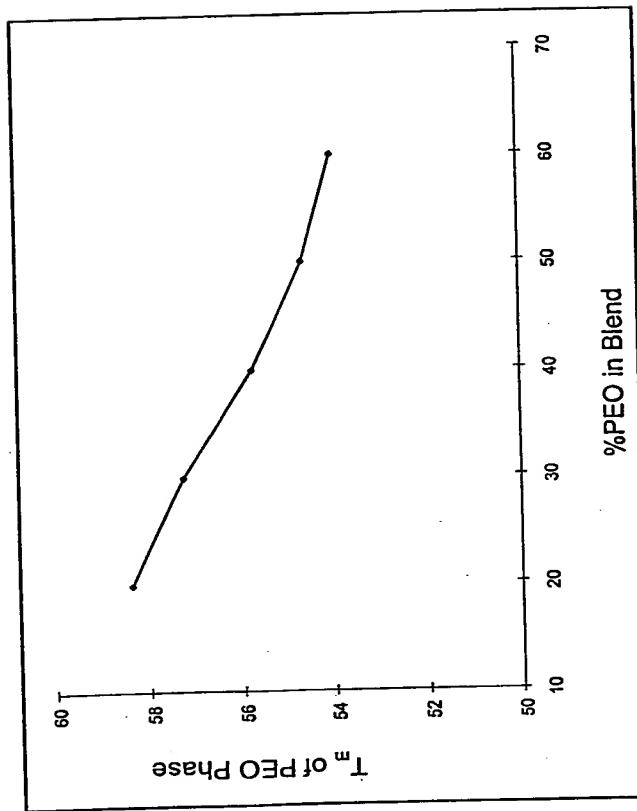


Figure 16

$\Delta T_m = T_m$ (PEO Phase of Physical Blends) - T_m (Reactive Blends)

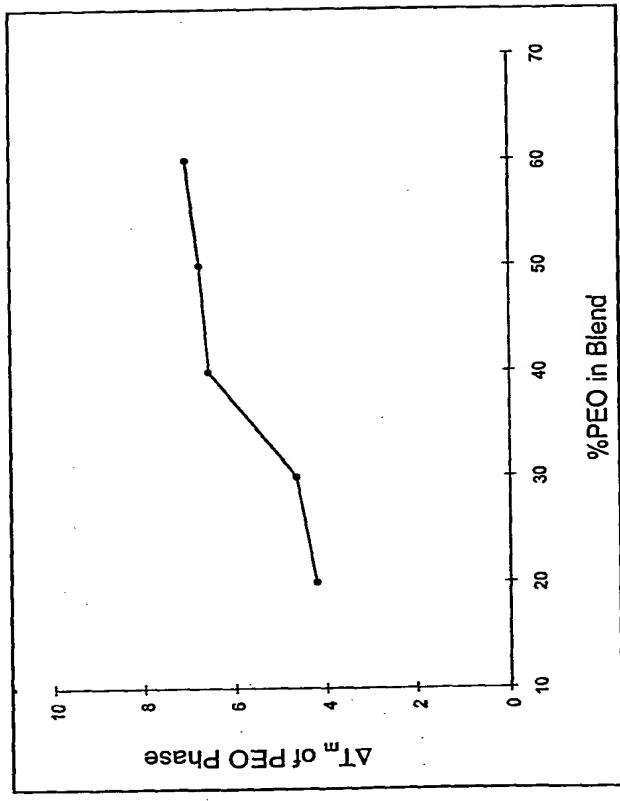
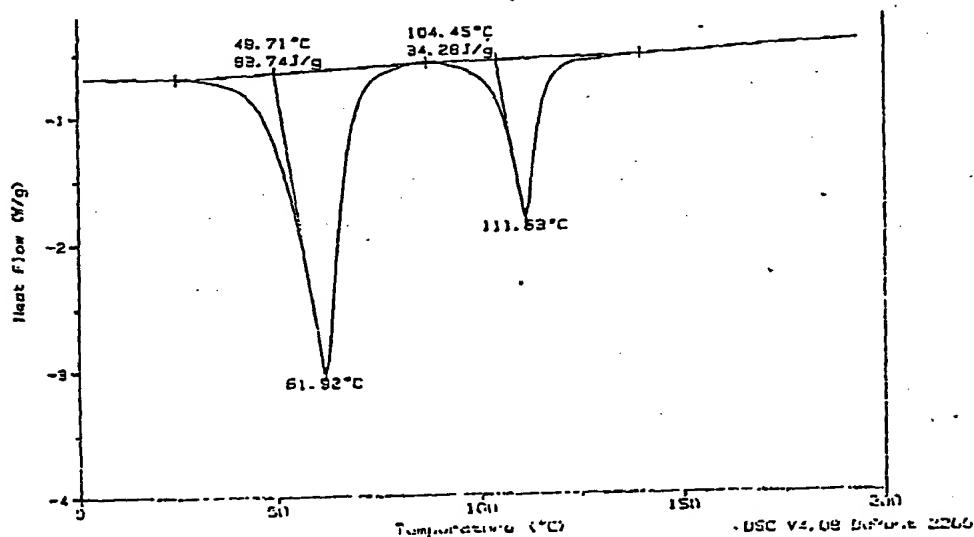


Figure 17 DSC Thermograms for PBS/PEO Physical and Reactive Blends

30/70 PBS/PEO Physical Blend



30/70 PBS/PEO Reactive Blend

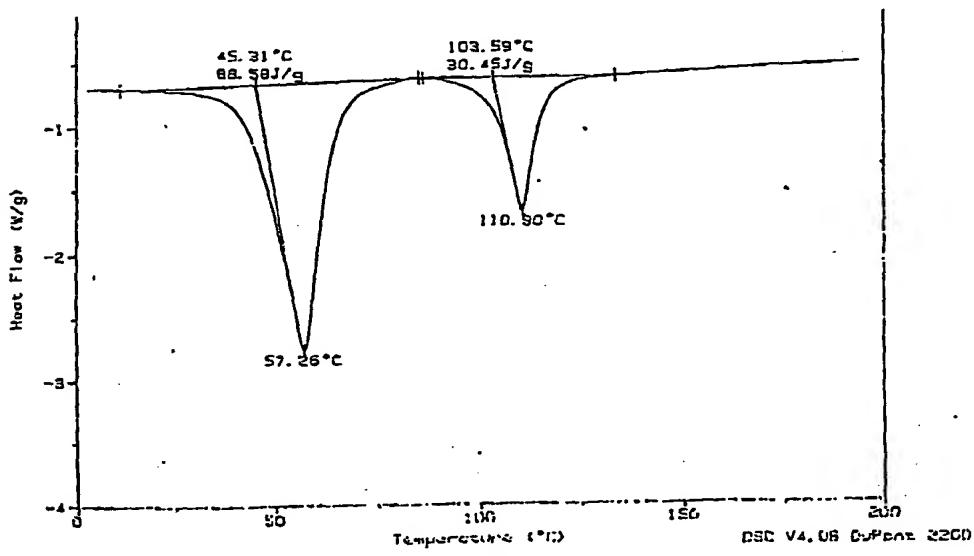


Figure 18 Melt Rheology at 195°C for PBS/PEO Physical and Reactive Blends

